

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
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Yoshiki HIRANO et al.)	Group Art Unit: Unassigned
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Application No.: Unassigned)	Examiner: Unassigned
)	
Filed: September 10, 2003)	Confirmation No.: Unassigned
)	
For: REFLECTION TYPE ION)	
ATTACHMENT MASS)	
SPECTROMETRY APPARATUS)	

FIRST
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a prior art search has been made.

In addition, the filing of this Information Disclosure Statement shall not be construed to be an admission that each of the references submitted herewith is in fact prior art with respect to the present application, or that each of the references is considered to be material to patentability as defined in § 1.56(b).

The documents are being submitted within 3 months of the filing and before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: September 10, 2003

By: William C. Rowland
William C. Rowland
Registration No. 30,888

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Substitute for forms 1449A/PTO & 1449B/PTO FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY'S DKT No. 033897-003	APPLICATION No. Unassigned
	APPLICANT Yoshiki HIRANO et al.	
	FILING DATE September 10, 2003	GROUP Unassigned

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	4,933,551		Bernius et al.	06-12-1990
	4,649,278		Chutjian et al.	03-10-1987

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No
	06-011485		Japan	01-21-1994	Abstract Only
	2001-174437		Japan	06-29-2001	Abstract Only
	2001-351567		Japan	12-21-2001	Abstract Only
	2001-351568		Japan	12-21-2001	Abstract Only
	2002-124208		Japan	04-26-2002	Abstract Only
	2002-170518		Japan	06-14-2002	Abstract Only

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	R.V. HODGES ET AL., "APPLICATION OF ALKALI IONS IN CHEMICAL IONIZATION MASS SPECTROMETRY", Analytical Chemistry, vol. 48, No. 5, pp. 825-829 (1976)
	DANIEL BOMBICK, ET AL., "POTASSIUM ION CHEMICAL IONIZATION AND OTHER USES OF AN ALKALI THERMIONIC EMITTER IN MASS SPECTROMETRY", Analytical Chemistry, Vol. 56, No. 3, pp. 396-402 (1984)
	TOSHIHIRO FUJII ET AL., "CHEMICAL IONIZATION MASS SPECTROMETRY WITH LITHIUM ION ATTACHMENT TO THE MOLECULE", Analytical Chemistry, Vol. 61, No. 9, pp. 1026-1029 (1989)
	TOSHIHIRO FUJII, "A NOVEL METHOD FOR DETECTION OF RADICAL SPECIES IN THE GAS PHASE: USAGE OF LI+ ION ATTACHMENT TO CHEMICAL SPECIES", Chemical Physics Letters, Vol. 191, No. 1.2, pp. 162-168 (1992)
	T. FAYE ET AL., "SODIUM ION ATTACHMENT REACTIONS IN AN ION TRAP MASS SPECTROMETER", Rapid Communications in Mass Spectrometry, Vol. 13, pp. 1066-1073 (2000)

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.